



## Objectives: Early L1B Images (WHY)

- Reduce load on nearline archive in short term
  - system requires shakeout period
  - “spectacular events” (e.g., fires, volcanic eruption) could saturate system
- Familiarize potential customers with MODIS products, including
  - application users
  - interdisciplinary researchers
  - college / Web surfers / casual users
- Provide interim “browse” product



## Candidate MODIS Image Products (WHAT)

- Single granule, single channel images
- Composite channel images (SeaWiFS, GOES methodology)
- Channel maps (e.g., 0.5 degree)
  - daily worldwide (latitude and scan angle cutoffs ?)
  - local areas of particular interest
  - partial day ( 1 or more orbits )
- Coordinate with MCST and MODIS Science Team Early Image effort



## Method (HOW)

- Operational subsetting PGE (CERES or other)
  - include image generation (JPEG, GIF, RIS8) step
  - transfer PGE-generated images to local Web server
  - tests to indicate adherence to < 1% CPU usage
- Subscribe to full or channel-subsetted MODIS granule
  - perform image generation on local (non-ECS) machine
  - bandwidth becomes a concern in this case



## Method (HOW) cont.

- Image generation/viewing specifics
  - S/W written in C, i.e., no COTS used
  - include some form of geolocation (corner points in HDF RIS8, lat/lon markings in GIF, JPEG)
  - stage all images to local anonymous FTP on a rotating basis
  - implement data browser as in CZCS/SeaWiFS ?
  - implement Web Page for interactive image compositing ?